

A Quick Look at Diphtheria and Tetanus-Containing Vaccines....

Diphtheria Tetanus & Pertussis (DTaP)

Ages: 6 weeks through 6 years

Routine Schedule:

4-dose primary series at:

2 months, 4 months, 6 months, 15-18 months

Booster dose at 4-5 years

Catch-Up Schedule:

Dose 1 to 2 4 weeks

Dose 2 to 3 4 weeks

Dose 3 to 4 6 months

Dose 4 to 5 6 months*

*A 5th dose is not necessary if the 4th dose was given after 4 yrs of age

Wound Care:

If a wound is not clean and/or minor:

- assure child's DTaP series is up-to-date

Administration: IM; Use 1" needle in anterolateral thigh muscle* or deltoid

Storage: Refrigerate between 35-46° F (2-8° C)

Contraindications:

Persons with a history of severe allergic reaction to a vaccine component or prior dose of vaccine
Encephalopathy not due to another cause occurring within 7 days after vaccination with a pertussis-containing vaccine

Precautions:

Moderate to severe acute illness
Temperature $\geq 105^\circ$ F within 48 hours of vaccination with no other identifiable cause

Collapse or shock like state within 48 hours of vaccination

Persistent inconsolable crying lasting more than 3 hrs within 48 hrs of vaccination

Convulsions with or without fever within 3 days of vaccination

*Anterolateral thigh muscle (upper leg) preferred for multiple IM injections; deltoid muscle (upper arm) is an option in children 18 months and older if adequate muscle mass is present.

ACIP Recs for the Use of DTaP, Td & Tdap in Adolescents and Adults
*Use of Tdap among Pregnant Women, Provisional Recommendations of the ACIP: Refer to cdc.gov/vaccines

Tetanus Diphtheria & Pertussis (Tdap)

Ages: Boostrix 10-18 yrs of age / Adacel 11-64 yrs of age

Routine Schedule:

Vaccinate with a single booster dose:

- 11-12 yr olds who have not received a tetanus & diphtheria containing vaccine in the last 5 yrs
- 13-18 yr olds who missed a dose of tetanus & diphtheria containing vaccine at 11-12 yr visit
- 11-18 yr olds previously vaccinated with tetanus & diphtheria containing vaccine
- adults 19-64 yrs of age who have not received a Td booster in 10 yrs or more

Shorter Time Intervals- less than 5-10 years:

For adolescents, 5 yrs between tetanus & diphtheria containing vaccines is encouraged. Shorter intervals (2 yrs or less) may be used for adults and adolescents to protect against pertussis i.e.,

- those in close contact with infants less than 12 mo of age
- healthcare personnel with any patient contact

Catch-Up Schedule:

3 doses (primary series) of tetanus & diphtheria-containing vaccine are needed before booster dose is effective

Substitute Tdap vaccine for 1 dose (see Td)

Wound Care:

Administer Tdap to people 10 yrs of age and older with a wound that is NOT clean and/or minor:

- who have not received any tetanus containing vaccine in the last 5 years and
- who have not received a previous dose of Tdap vaccine

Administration: IM; Use 1-1½" needle in deltoid muscle

Storage: Refrigerate between 35-46° F (2-8° C)

Contraindications:

Persons with a history of severe allergic reaction to a vaccine component or prior dose of vaccine DTaP/Td
Encephalopathy not due to another identifiable cause within 7 days after vaccination with a pertussis-containing vaccine

Precautions:

Moderate to severe acute illness

History of Guillian Barré within 6 wks of a tetanus-cont. vaccine

Progressive neurological disorder until stabilized

History of a severe arthus-type reaction after a previous dose of a tetanus or diphtheria containing vaccine including MCV4

Tetanus and Diphtheria (Td)

Ages: 7 years of age and older

Routine Schedule:

Booster dose every 10 yrs

Use Td for:

- all persons 7-9 yrs and 65 yrs and older
- anyone who has previously received a Tdap vaccine
- pregnant adolescents/women*
- persons with a contraindication to pertussis vaccine

Catch-Up Schedule:

3 doses (primary series) of a tetanus & diphtheria-containing vaccine are needed before booster dose is effective.

Dose 1 to 2 4 weeks

Dose 2 to 3 varies*

*8 wks if 1st dose given at age < 12 mo

*6 mo if 1st dose given at age \geq 12 mo

Dose 3 to 4 6 months if needed**

**4th dose needed if any previous dose given at age < 12mo

(If a prior dose of Tdap was not given and between ages 10-64 yrs, refer to Tdap section of this chart)

Wound Care:

If a wound is NOT clean and/or minor, it has been 5 years since receiving a tetanus-containing vaccine and if:

- 7- 9 years old, administer Td
- 10 years and older and received a previous dose of Tdap, administer Td

Other indications:

- if Tdap is not available, administer Td

Administration: IM; Use 1-1½" needle in deltoid muscle

Storage: Refrigerate between 35-46° F (2-8° C)

Contraindications:

Persons with a history of severe allergic reaction to a vaccine component or prior dose of vaccine DTaP/Tdap/Td

Precaution:

Moderate to severe acute illness

History of Guillian Barré within 6 wks of a tetanus-containing vaccine

History of a severe arthus-type reaction after a previous dose of a tetanus or diphtheria containing vaccine including MCV4